

Fig. 1

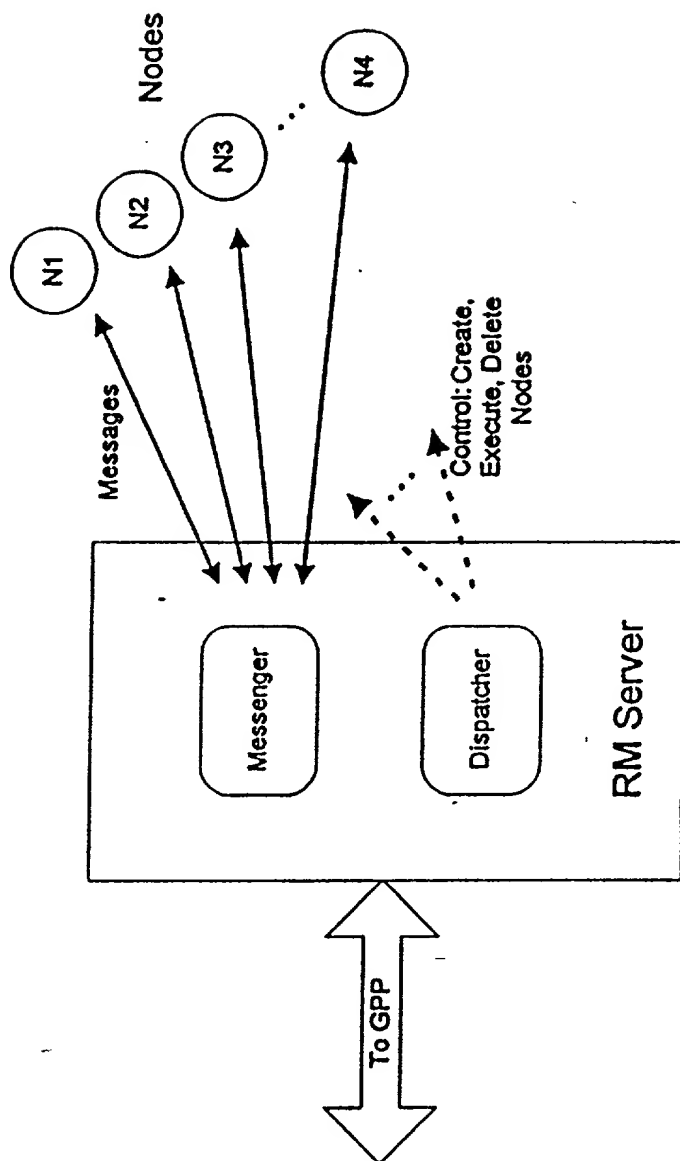


Fig. 2

Server Function	Purpose
RMS queryServer	Allow GPP to query server information.
RMS configureServer	Allow GPP to set server configuration parameters.
RMS createNode	Create a Message, Task, or xDAIS Socket node.
RMS executeNode	Launch a node into its execute phase.
RMS deleteNode	Delete a node's resources.
RMS changeNodePriority	Change execution priority of a node.
RMS readMemory	Read a word of DSP memory.
RMS writeMemory	Write a block of DSP memory.

Fig. 3

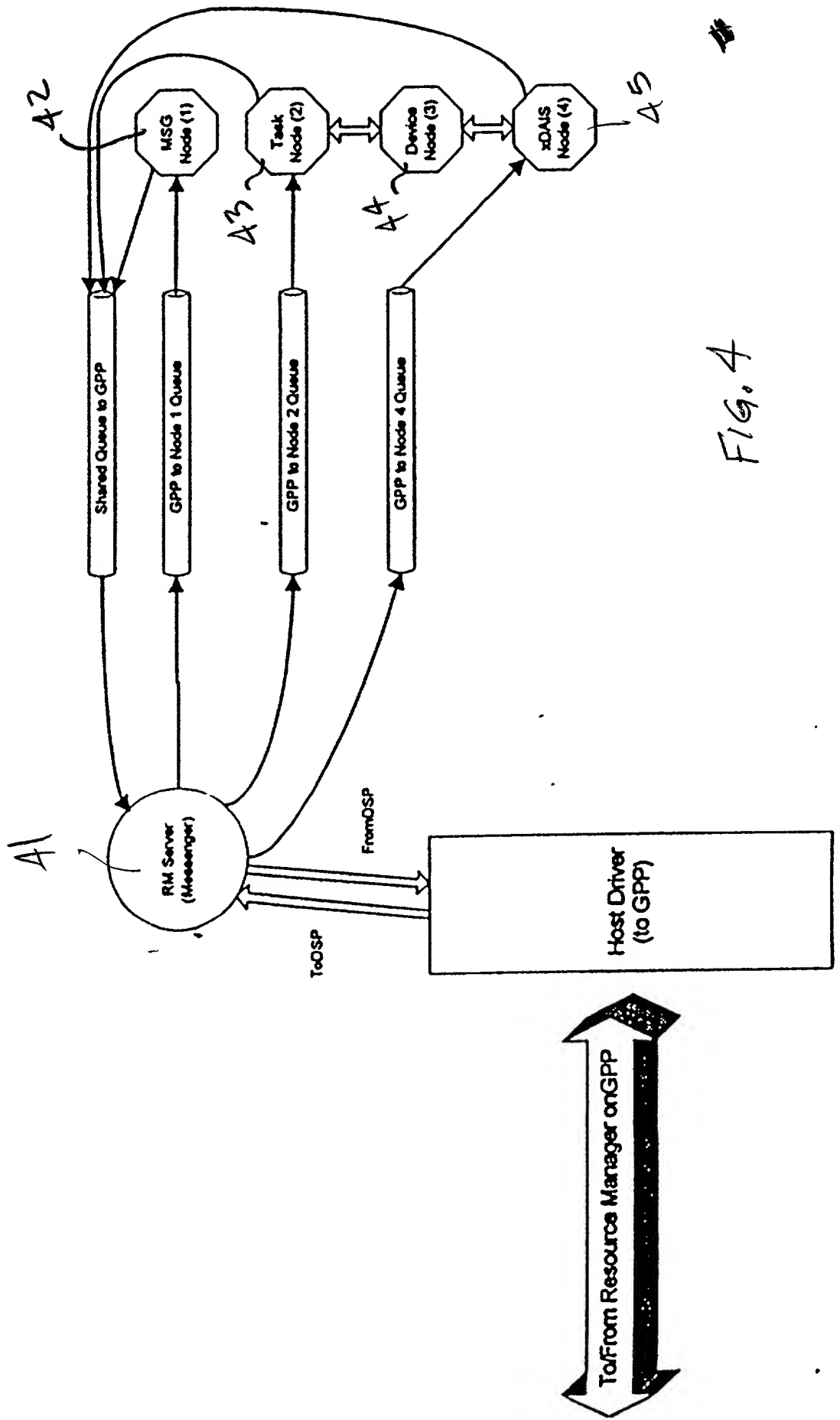


Fig. 4

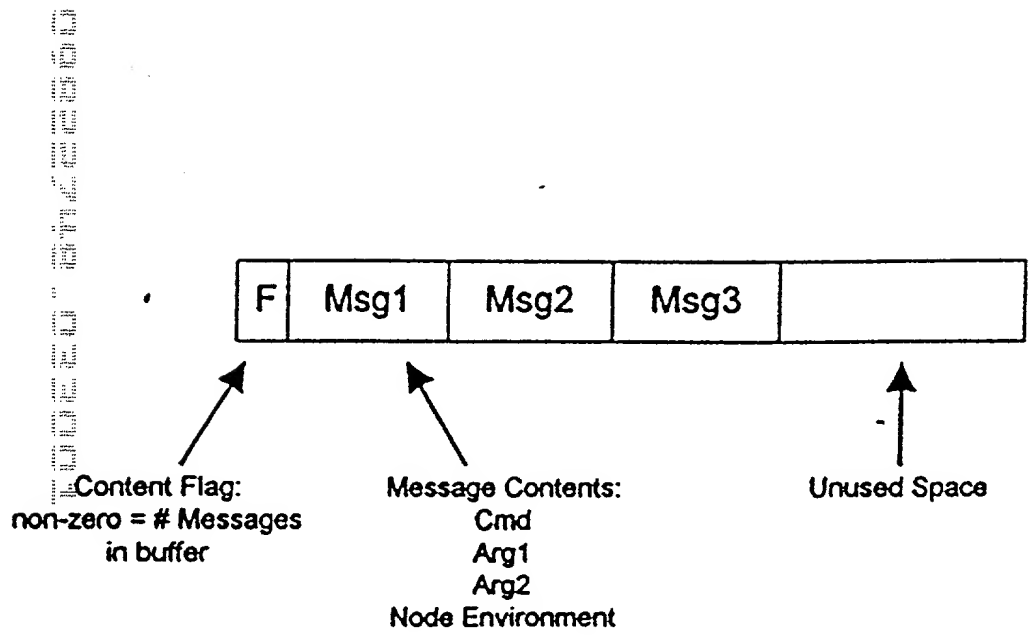


FIG. 5

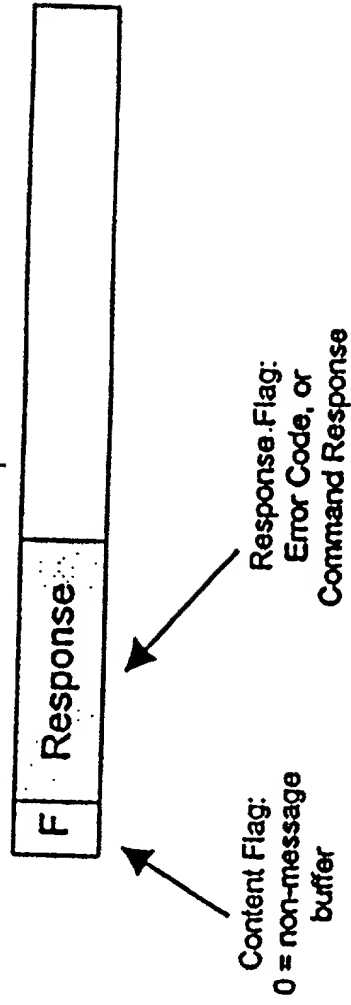


Fig. 7

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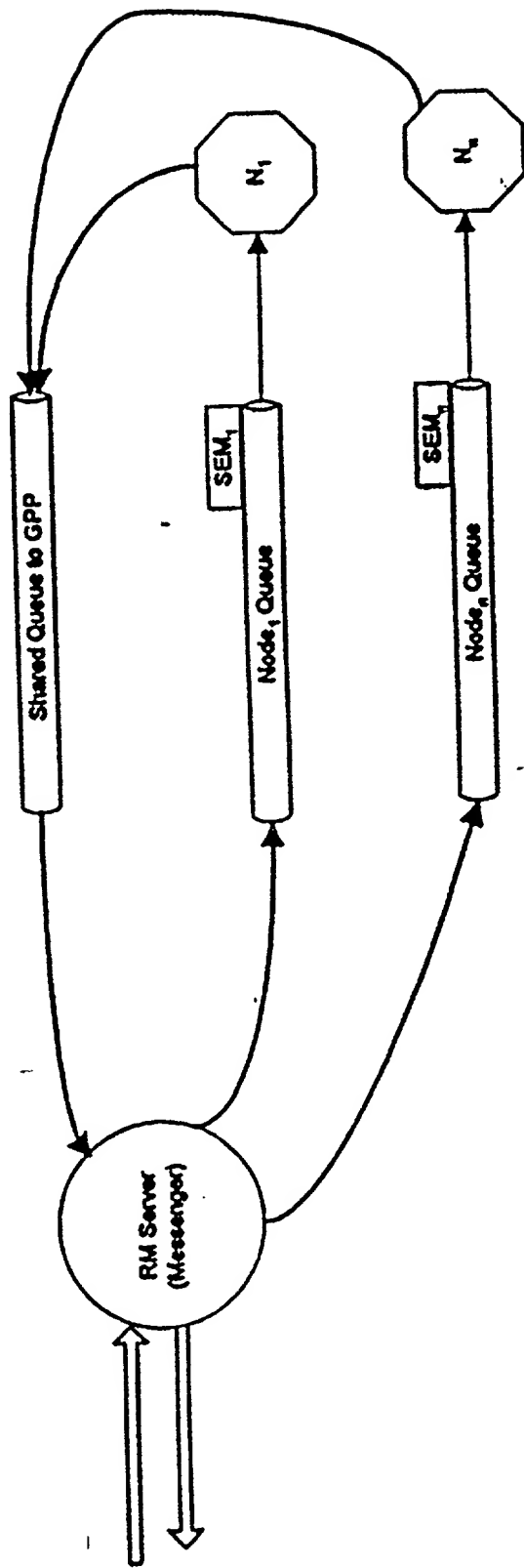


FIG. 8

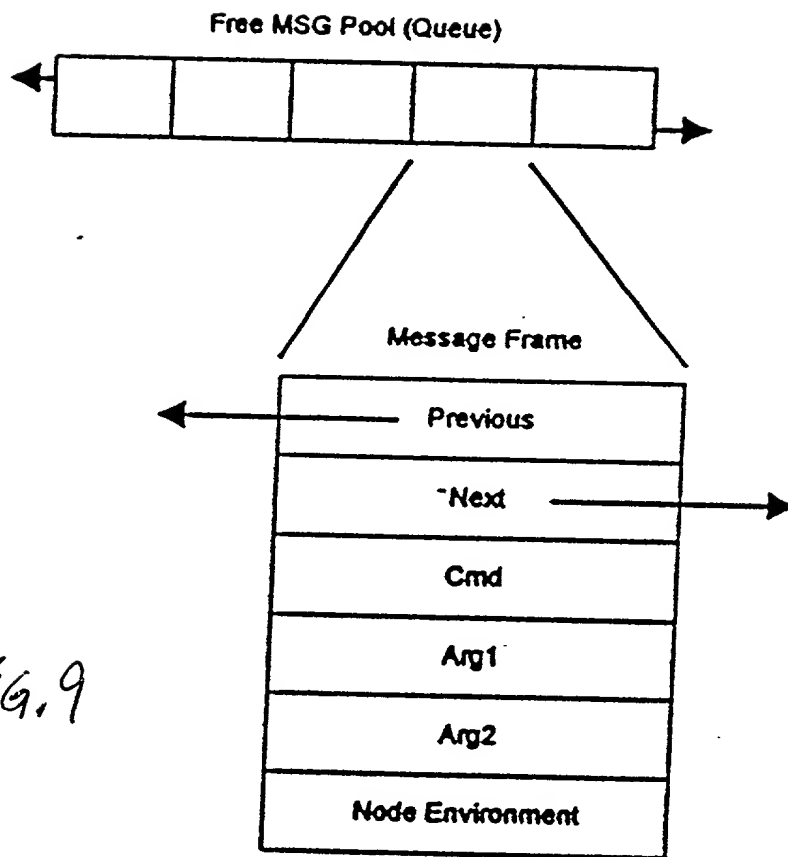


FIG. 9

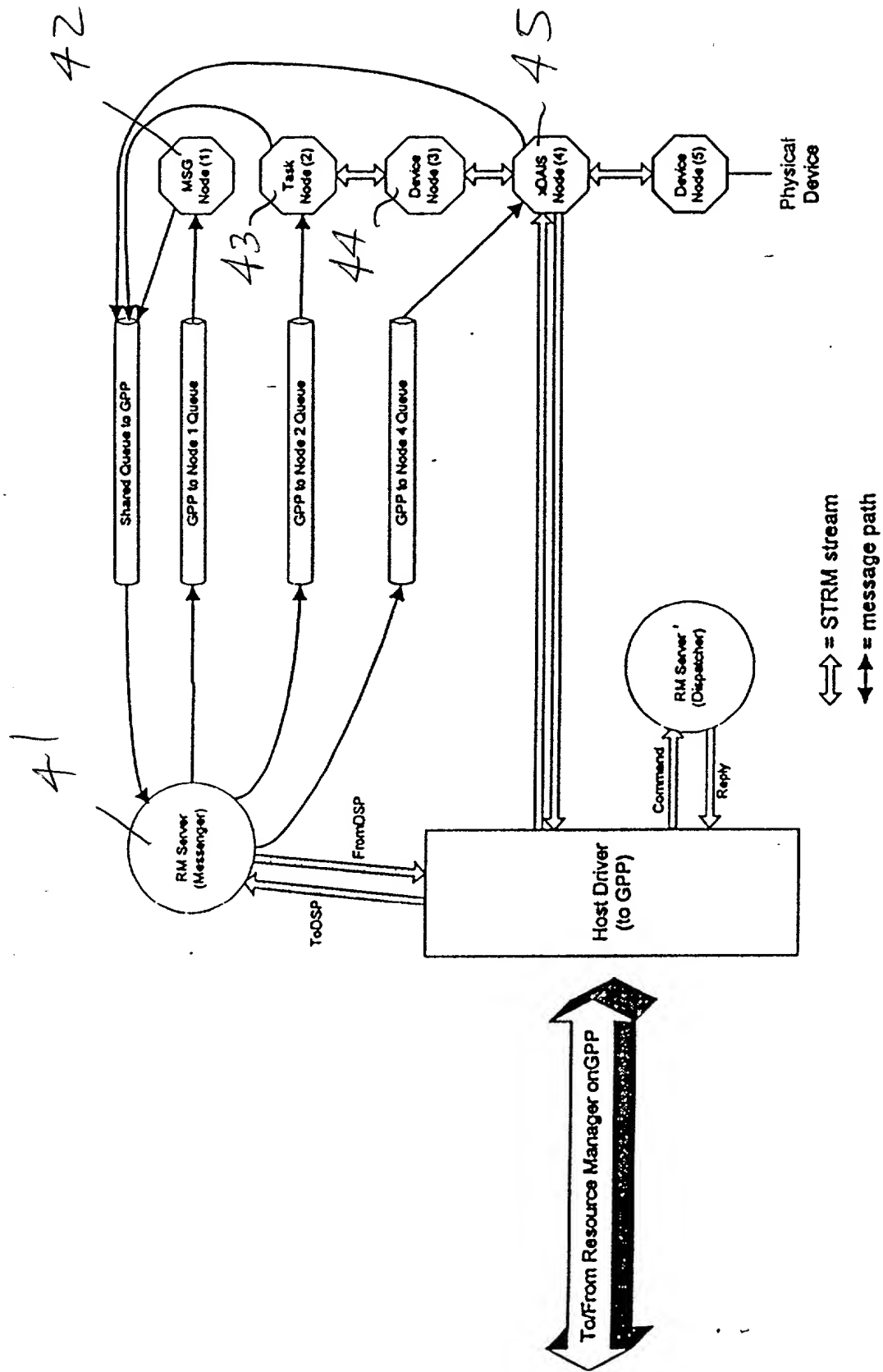


Fig. 10

Command Field (32-bits)	Contents
fxn	address of server function to execute
arg1	server function argument 1
arg2	server function argument 2
data[]	function-specific data array

FIG. 11

Reply Field (32-bits)	Contents
result	node or server function return code
arg1	command-specific return argument 1
arg2	command-specific return argument 2

FIG. 12

Server Function	result	arg1	arg2
RMS_queryServer	queried value	-	-
RMS_configureServer	success/fail return code	-	-
RMS_createNode	nodeCreate return code	node environment ptr	-
RMS_executeNode	nodeExecute return code, or command ack	-	-
RMS_deleteNode	nodeDelete return code	-	-
RMS_changeNodePriority	success/fail return code	-	-
RMS_readMemory	memory contents	-	-
RMS_writeMemory	success/fail return code	-	-

FIG. 13

Return Code	Enumerated Value	Meaning
RMS_EOK	0	OK, no error.
RMS_EOUTOFMEMORY	1	Memory allocation failure.
RMS_EMEMFREE	2	Memory de-allocation failure.
RMS_EOUTOFIO	3	I/O allocation failure.
RMS_EIOFREE	4	I/O de-allocation failure.
RMS_ERESOURCE	5	A resource was unavailable.
RMS_ENOTFOUND	6	Symbol or Module not found.

FIG. 14

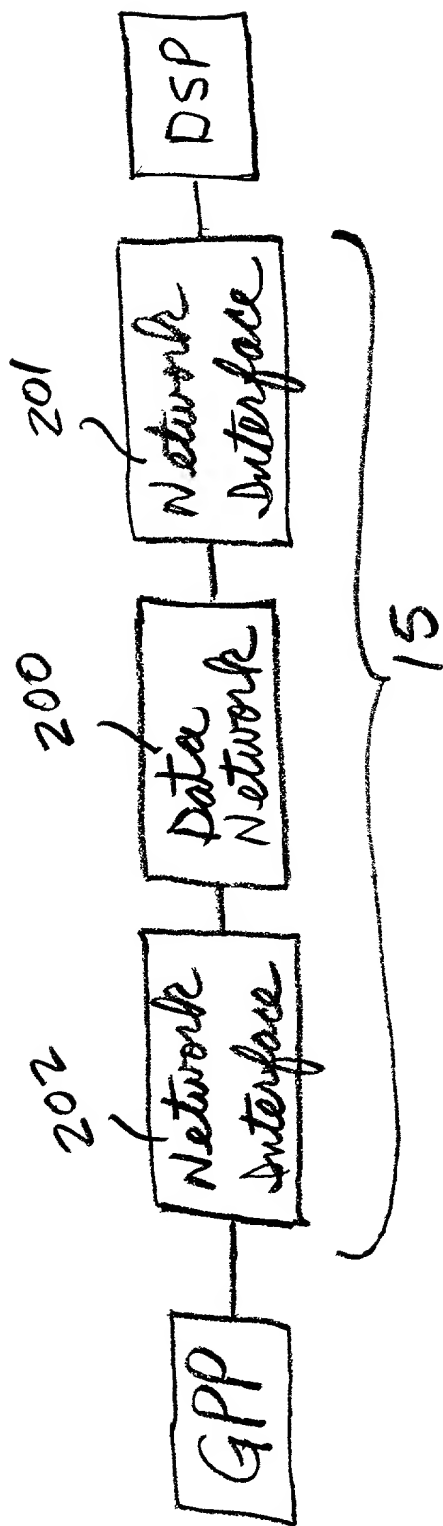


FIG. 16

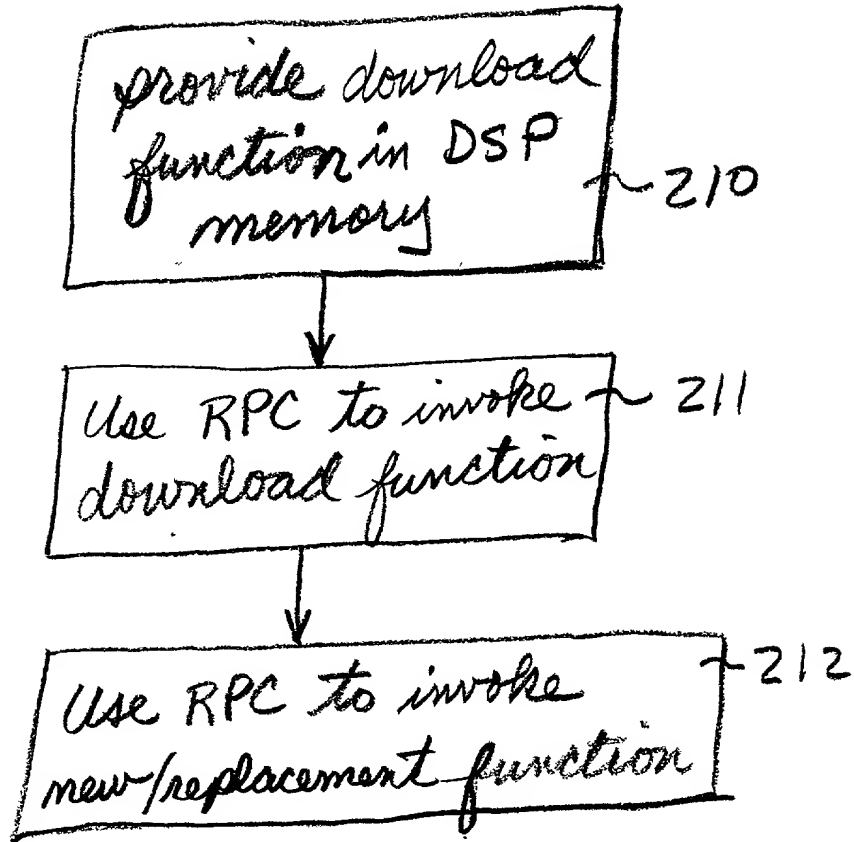


FIG. 17